Application No.: 09/518,709 Docket No.: T2171.0180/P180

COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR

1 - 13. (Cancelled).

- 14. (Currently amended) A semiconductor device comprising:
- a semiconductor substrate;
- a MOS type transistor formed on said semiconductor substrate, said MOS type transistor including a source, a gate and a drain;

an interlayer insulating film formed on the semiconductor substrate, said interlayer insulating film covering said MOS type transistor and including a hydrogen resident film which is a silicon oxide film containing a Si-H residue of 61% or less;

- a wiring layer formed on said interlayer insulating film; and
- a hydrogen transmission preventing film covering said MOS type transistor and said wiring layer, said hydrogen transmission preventing film is a silicon oxide film contains a SI-H residue of 61% or less.
- 15. (Original) A semiconductor device according to claim 14, wherein said hydrogen resident film contains hydrogen silsesquioxane resin.
- 16. (Original) A semiconductor device according to claim 14, wherein said hydrogen transmission preventing film includes a silicon nitride film.
- 17. (Original) A semiconductor device according to claim 14, wherein said wiring layer has a lamination structure of Ti/Al alloy/TiN.
- 18. (Original) A semiconductor device according to claim 14, wherein said wiring layer has a lamination structure Ti/Al-Si-Cu alloy/TiN.

19. (Previously amended) A semiconductor device comprising: a semiconductor substrate;

a MOS type transistor formed on said semiconductor substrate, said MOS type transistor including a source, a gate and a drain;

an interlayer insulating film formed on the semiconductor substrate, said interlayer insulating film covering said MOS type transistor and including a hydrogen resident film;

a wiring layer formed on said interlayer insulating film, wherein said wiring layer includes a plurality of adjacent wiring layers; and

a hydrogen transmission preventing film covering said MOS type transistor and said wiring layer, and wherein said hydrogen transmission preventing film forms an air filled groove between adjacent wiring layers.

- 20. (Original) A semiconductor device according to claim 15, wherein a silicide film is formed on the source, the gate and the drain.
- 21. (Original) A semiconductor device according to claim 14, wherein a hydrogen supply path for supplying the channel region of the MOS type transistor is formed between the channel region and said hydrogen resident film.
 - 22. (Previously added) A semiconductor device comprising: a silicon substrate;
- a MOS transistor having a gate insulating film formed on the silicon substrate, a silicon gate electrode formed on the gate insulating film, source/drain regions formed in the silicon substrate on both sides of the silicon gate electrode, and silicide layers formed on the silicon gate electrode and the source/drain regions;

an interlayer insulating film formed on the silicon substrate, covering the MOS transistor, and including a hydrogen containing film;

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a wiring layer formed on the interlayer insulating film; and

a hydrogen shielding film formed on the interlayer insulating film, covering the MOS transistor and the wiring layer.

- 23. (Previously added) The semiconductor device according to claim 22, wherein the hydrogen-containing film contains hydrogen silsesquioxane resin.
- 24. (Previously added) The semiconductor device according to claim 22, wherein the hydrogen shielding film includes a silicon nitride film.
- 25. (Previously added) The semiconductor device according to claim 22, wherein the wiring layer includes a lamination of a Ti layer, an A1 alloy layer, and a TiN layer.
- 26. (Previously added) The semiconductor device according to claim 22, wherein the wiring layer includes a lamination of a Ti layer, an A1-Si-Cu alloy layer, and a TiN layer.
- 27. (Previously added) The semiconductor device according to claim 22, wherein the wiring layer includes a plurality of wiring patterns, and the hydrogen shielding layer forms recessed surfaces between adjacent ones of the wiring patterns.
- 28. (Previously added) The semiconductor device according to claim 22, wherein the interlayer insulating film constitutes a hydrogen supply path between the hydrogen-containing film and the silicon substrate under the gate insulating film.